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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW/	4,081,748	03/1978	Batz			
	4,099,121	07/1978	Fang			
	4,128,809	12/1978	Kage			
	4,426,712	01/1984	Gorski-Popiel			
	4,530,087	07/1985	Yamamoto			
	4,599,734	07/1986	Yamamoto			
	4,644,351	02/1987	Zabarsky			
	4,675,863	06/1987	Paneth et al.			
	4,727,590	02/1988	Kawano et al.			
	4,780,885	10/1988	Paul et al.			
	4,799,252	01/1989	Eizenhoffer et al.			
	4,901,307	02/1990	Gilhousen et al.			
	5,031,193	07/1991	Atkinson et al.			
	5,043,736	08/1991	Darnell et al.			
	5,046,066	09/1991	Messenger			
	5,058,200	10/1991	Huang et al.			
	5,068,916	11/1991	Harrison et al.			
	5,081,641	01/1992	Kotzin et al.			
	5,081,643	01/1992	Schilling			
	5,088,108	02/1992	Uddenfeldt et al.			
	5,097,484	03/1992	Akaiwa			
	5,101,501	03/1992	Gilhousen et al.			
	5,103,459	04/1992	Gilhousen et al.			
	5,109,390	04/1992	Gilhousen et al.			
V	5,124,915	06/1992	Krenzel			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IS APPROPRIATE
/RW/	5,128,925	07/1992	Dornstetter et al.			
	5,155,689	10/1992	Wortham			
	5,164,942	11/1992	Kamerman et al.			
	5,166,951	11/1992	Schilling			
	5,177,765	1/5/1993	Holland et al.			
	5,193,101	09/1993	McDonald et al.			
	5,203,018	04/1993	Hirose			
	5,208,756	05/1993	Song			
	5,214,789	05/1993	George			
	5,218,367	06/1993	Sheffer et al.			
	5,218,618	06/1993	Sagey	ĺ		
	5,223,844	06/1993	Mansell et al.	i i		
	5,227,802	07/1993	Pullman	i		
	5,235,633	08/1993	Nass et al.			
	5,247,356	09/1993	Ciampa			
	5,260,943	11/1993	Comroe et al.			
	5,260,967	11/1993	Schilling			
	5,280,472	01/1994	Gilhousen et al.			
	5,283,767	02/1994	McCoy			
	5,289,499	02/1994	Weerackody			
	5,289,527	02/1994	Tiedemann, Jr.			
	5,293,645	03/1994	Sood et al.1			
	5,297,162	03/1994	Lee et al.			
	5,305,353	04/1994	Weerackody			
	5,321,696	04/1994	Buchholz et al.			
	5,323,384	06/1994	Norwood			
$\Psi$	5,329,530	07/1994	Kojima			
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STATEMENT BY APPLICANT	September 16, 2003	2419	
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/RW/	5,345,467	09/1994	Lomp et al.			
	5,347,535	09/1994	Karasawa et al.			
	5,365,516	11/1994	Jandrell			
	5,367,539	11/1994	Copley			
	5,371,734	12/1994	Fischer			
	5,371,780	12/1994	Amitay			
	5,373,502	12/1994	Turban			
	5,390,166	02/1995	Rohani et al.			
	5,420,883	05/1995	Swensen et al.			
	5,430,769	07/1995	Patsiokas et al.			
	5,442,625	08/1995	Gitlin et al.			
	5,479,448	12/1995	Seshadri			
	5,481,533	1/1996	Honig et al.			
	5,483,244	01/1996	Grube et al.			
	5,483,668	01/1996	Malkamaki et al.			
	5,506,863	4/9/1996	Meidan et al.			
	5,513,176	04/1996	Dean et al.			
	5,533,011	07/1996	Dean et al.			
	5,533,013	07/1996	Leppanen			
	5,553,076	9/3/1996	Behtash et al.			
	5,584,057	12/1996	Dent			
	5,594,737	01/1997	Pillekamp et al.7			
	5,614,914	03/1997	Bolgiano et al.			
	5,625,876	04/1997	Gilhousen et al.			
	5,663,990	09/1997	Bolgiano et al.			
	5,684,793	11/1997	Kiema et al.			
V	5,748,669	05/1998	Yada			
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE September 16, 2003	GROUP 2419	
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EXAMI INITI	NER AL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING	DATE IF
/R	W/	5,761,196	6/2/1998	Ayerst et al.				
		5,781,541	07/1998	Schnieder				
П		5,859,879	01/1999	Bolgiano et al.				
V	7	5,881,094	03/1999	Schilling				
		F	OREIGN PATE	ENT DOCUMENTS				
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INITI	AL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	FEINGLOAD	NO
/R	W/	0528090	02/1993	EP				
		2237706	05/1991	GB				
	Г	2259430	03/1993	GB				
	Г	H01-314443	12/1989	JP			X**	
П	Г	H02-302133	06/1992	JP			Х	
П	Г	\$63-286027	11/1988	JP			Х	
П	Г	\$63-286072	11/1988	JP			X**	
	Г	\$63-274236	11/1988	JP			X**	
П	Г	06-244814	09/1994	JP			X**	
П	Г	H05-244051	09/1993	JP			X**	
П	Г	H03-235077	10/1991	JP				
П	Г	H03-177669	08/1991	JP			Х	
П	Г	\$53-109328	08/1978	JP			Х	
П	Г	H06-097914	04/1994	JP			X**	
П	Г	\$63-065723	09/1989	JP			Х	
П	Г	H02-3007	01/1990	JP			Х	
П	Г	H05-211470	08/1993	JP <sup>2</sup>			X**	
П	Г	H04-502844	08/1993	JP <sup>3</sup>			Х	
7	7	H06-501349	01/1992	JP <sup>5</sup>			Х	

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation if not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation is not in conformance with MPEP 609; Draw line through citation

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EXAMINER						TRAN	SLATION
INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
/RW/	199210890	06/1992	WO				
	199306669	04/1993	WO				
	199939455	08/1999	WO10				
	199107036	05/1991	WO <sup>4</sup>				
	199200639	01/1992	MO <sub>6</sub>				
	199608908	03/1996	MO <sub>8</sub>				
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"Ultraphone, System Description GP110," InterD			"Ultraphone, System Description GP110," InterDigital Communications Corporation, pgs. 1-17, (October 1993).
			"Ultraphone, System Technical Specification GP130, Interdigital Communications Corporation, pgs. 1-12, (January 1994).
			AZAD ET AL., "Multirate Spread Spectrum Direct Sequence CDMA Techniques", The Institution of Electrical Engineers, pp. 4/1-4/5 (1994).
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	-		ERCEG ET AL., "Urban/Suburban Out-of-Sight Propagation Modeling," IEEE Communications Magazine, pgs. 56-61, (June 1992).
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XAMINER INITIAL	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)	
/RW/	ESMAILZADEH ET AL., "Quasi-Synchronous Time Division Duplex CDMA", IEEE, pgs. 1637-1641, (1994)	
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	NAGUIB ET AL., "Performance of CDMA Cellular Networks With Base-Station Antenna Arrays: The Downlink", IEEE Internal Conference on Communications, Vol. 2, pgs. 795-799, (May 1994).	
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	MINER ITIAL	R	DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)	
/RW SCHILLING ET AL., *Spread Spectrum for Commercial Communications,* IEE Vol. 29, Issue 4, pgs. 66-79, (April 1991).		4	SCHILLING ET AL., "Spread Spectrum for Commercial Communications," IEEE Communications Magazine, Vol. 29, Issue 4, pgs. 66-79, (April 1991).	
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